

## **Integrated Radar EW System – SHAKTI**

Shakti is an Integrated Radar EW System for Capital ships with Electronic Support (ES) System and integrated Radar Finger Printing System (RFPS) covering B to K frequency band and Electronic Counter Measure (ECM) System covering H to K frequency band.

### **Salient features and Technologies Involved:**

1. Wide Open Reception capability in D to K frequency band.
2. Narrow Band Receiver for LPI reception capability with narrow and broad instantaneous bandwidths.
3. Base Line Interferometer (BLI) DF measurement technique and Time Difference of Arrival (TDOA) DF measurement technique to achieve high DF accuracy.
4. Microwave Power Module (MPM) based multi-beam transmitter using Rotman lens.
5. DRFM based Technique Generator with wide instantaneous bandwidth for various jamming techniques

### **Current Status:**

The system is in advanced stage of evaluation by the Users

### **Industry Partners:**

50 MSMEs are involved in the development of the System. M/s BEL, Hyderabad is the production agency.

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